

O I P E
DEC 21 2006
PATENT & TRADEMARK OFFICE

Substitute for form 1449/PTO (Revised 07/2005)				Complete if Known	
				Application Number	10/563,082
				Filing Date	December 30, 2005
				First Named Inventor	Steven Martin Hudson
				Group Art Unit	2612
				Examiner Name	
Sheet	1	of	4	Attorney Docket Number	046812/305437

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	Document Number Number - Kind Code (if known)	Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages of Relevant Figures Appear
1/2	1	US-3,764,970	10/09/1973	Manning	
	2	US-4,703,461	10/27/1987	Kotlyar	
	3	US-4,771,408	09/13/1988	Kotlyar	
	4	US-4,932,005	06/05/1990	Birdwell	
	5	US-5,079,750	01/07/1992	Scherbatskoy	
	6	US-5,113,379	05/12/1992	Scherbatskoy	
	7	US-5,390,153	02/14/1995	Scherbatskoy	
	8	US-5,740,126	04/14/1998	Chin et al.	
	9	US-2002/0105858	08/08/2002	Winnacker	
	10	US-2003/0000707	01/02/2003	Flowers et al.	
	11	US-2003/0145986	08/07/2003	Evans et al.	
	12	US-2003/0147360	08/07/2003	Nero et al.	
	13	US-6,604,581	08/12/2003	Moake et al.	
	14	US-6,604,582	08/12/2003	Flowers et al.	
	15	US-2003/0150263	08/14/2003	Economides et al.	
	16	US-2003/0151977	08/14/2003	Shah et al.	
	17	US-2003/0155121	08/21/2003	Jones et al.	
	18	US-2003/0155152	08/21/2003	Dybdahl	
	19	US-2003/0162670	08/28/2003	Sweatman et al	
	20	US-2003/0168258	09/11/2003	Koederitz	
	21	US-6,629,564	10/07/2003	Ramakrishnan et al.	
	22	US-2003/0188862	10/09/2003	Streich et al.	
	23	US-2003/0192689	10/16/2003	Moake et al.	
	24	US-6,637,119	10/28/2003	Russell et al.	
	25	US-6,644,110	11/11/2003	Curtis et al.	

Examiner Signature		Date Considered	12/4/07
--------------------	---	-----------------	---------

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute for form 1449/PTO
(Revised 07/2005)

INFORMATION DISCLOSURE STATEMENT BY APPLICANT
(Use as many sheets as necessary)

DEC 21 2005
U.S. PATENT & TRADEMARK OFFICE

		Complete if Known			
		Application Number	10/563,082		
		Filing Date	December 30, 2005		
		First Named Inventor	Steven Martin Hudson		
		Group Art Unit	2612		
		Examiner Name			
Sheet	2	of	4	Attorney Docket Number	046812/305437

U. S. PATENT DOCUMENTS

26	US-6,644,402	11/11/2003	Sharma et al.	
27	US-6,644,403	11/11/2003	Pichery et al.	
28	US-2003/0209066	11/13/2003	Goodwin	
29	US-6,648,082	11/18/2003	Schultz et al.	
30	US-6,650,280	11/18/2003	Arndt et al.	
31	US-2003/0218547	11/27/2003	Smits et al.	
32	US-6,655,452	12/02/2003	Zillinger	
33	US-6,659,197	12/09/2003	Cooper	
34	US-2003/0226663	12/11/2003	Krueger et al.	
35	US-6,668,465	12/30/2003	Noureldin et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.	Foreign Patent Document Country Code - Number Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	English Language Translation Attached
AM	36	EP 0 450 207	10/09/1991	Fontan Limited		
	37	GB 2 290 320	12/20/1995	Engineering for Industry Limited/Magellan Company Limited		
	38	EP 0 744 527	11/27/1996	Baker Hughes Incorporated		Translation Included
	39	WO 02/25052	03/28/2002	Varco Shaffer		
	40	WO 02/29200	04/11/2002	Tennoy et al.		
	41	WO 02/29441	04/11/2002	Turner et al.		
	42	WO 02/36936	05/10/2002	Weatherford/Lamb, Inc.		
	43	WO 02/059460	08/01/2002	Geolink (UK) Ltd.		
	44	WO 02/059461	08/01/2002	Geolink (UK) Ltd.		
AM	45	GB 2 384 797	08/06/2003	Varco Shaffer Inc.		Abstract Only

Examiner Signature	AM	Date Considered	12/4/07
--------------------	----	-----------------	---------

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Substitute for form 1449/PTO (Revised 07/2005) INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known	
				Application Number	10/563,082
				Filing Date	December 30, 2005
				First Named Inventor	Steven Martin Hudson
				Group Art Unit	2612
				Examiner Name	
Sheet	3	of	4	Attorney Docket Number	046812/305437

U. S. PATENT DOCUMENTS					
	46	EP 1 335 108	08/13/2003	Schlumberger Limited et al.	
	47	WO 03/067828	08/14/2003	Weatherford/Lamb, Inc.	
	48	WO 03/067029	08/14/2003	Oyri et al.	
	49	WO 03/069120	08/21/2003	Halliburton Energy Services, Inc.	
	50	WO 03/071090	08/23/2003	Halliburton Energy Services, Inc.	
	51	GB 2 386 390	09/17/2003	APS Technology Inc.	Abstract Only
	52	WO 03/076764	09/18/2003	Varco I/P, Inc.	
	53	GB 2 386 625	09/24/2003	Schlumberger Holdings Limited	
	54	WO 03/089758	10/30/2003	Hutchinson	
	55	WO 03/089760	10/30/2003	ENI S.p.A/ Tecnomare S.P.A.	
	56	GB 2 388 132	11/05/2003	Baker Hughes Incorporated	
	57	WO 03/091540	11/06/2003	Baker Hughes Incorporated	
	58	GB 2 388 495	11/12/2003	Schlumberger Holdings Limited	
	59	WO 03/093872	11/13/2003	Baker Hughes Incorporated	
	60	WO 03/095794	11/20/2003	Baker Hughes Incorporated	
	61	WO 03/096073	11/20/2003	Halliburton Energy Services, Inc.	
	62	WO 03/096075	11/20/2003	CAMCO International (UK) Limited	
	63	EP 1 365 103	11/26/2003	Baker Hughes Incorporated	

Examiner Signature	<i>Alv</i>	Date Considered	12/4/07
--------------------	------------	-----------------	---------

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute for form 1449/PTO
(Revised 07/2005)

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Use as many sheets as necessary)

Sheet

4

of

4

Complete if Known	
Application Number	10/563,082
Filing Date	December 30, 2005
First Named Inventor	Steven Martin Hudson
Group Art Unit	2612
Examiner Name	
Attorney Docket Number	046812/305437



U. S. PATENT DOCUMENTS

1/1	64	GB 2 388 856	11/26/2003	Schlumberger Holdings Limited		
	65	WO 03/097992	11/27/2003	Head		
	66	WO 03/097997	11/27/2003	Halliburton Energy Services, Inc.		
	67	WO 03/097999	11/27/2003	Halliburton Energy Services, Inc.		
	68	WO 03/100217	12/04/2003	Butler		
	69	WO 03/100218	12/04/2003	Services Petroliers Schlumberger et al.		
	70	WO 03/101047	12/04/2003	Baker Hughes Incorporated		
	71	GB 2 389 601	12/17/2003	Schlumberger Holdings Limited		
	72	GB 2 389 907	12/24/2003	Schlumberger Holdings Limited		

Examiner
Signature

Alm

Date
Considered

12/14/07

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<p>Substitute for form 1449/PTO (Revised 07/2005)</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i></p>				IAP2000 Complete if Known		
				International Appl. No.	PCT/GB2004007853 10/563082	
				International Filing Date	July 2, 2004	
				First Named Inventor	Hudson	
				Group Art Unit		
				Examiner Name		
Sheet	1	of	2	Attorney Docket Number	046812/305437	
U. S. PATENT DOCUMENTS						
Examiner Initials*	Cite No.	Document Number Number - Kind Code (if known)	Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages of Relevant Figures Appear	
<i>h</i>	1	US-4,774,694	09/27/1988	Moll		
	2	US-5,576,703	11/19/1996	MacLeod et al.		
	3	US-5,868,201	02/09/1999	Bussear et al.		
	4	US-5,975,204	11/02/1999	Tubel et al.		
	5	US-6,097,310	08/01/2000	Harrell et al.		
	6	US-6,105,690	08/22/2000	Biglin, Jr. et al.		
<i>h</i>	7	US-6,899,178	05/31/2005	Tubel		
FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No.	Foreign Patent Document Country Code - Number Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	English Language Translation Attached
<i>h</i>	8	GB 2 160 565	12/24/1985	Exxon Production Research Company		
	9	FR 2 721 347	12/22/1995	Engineering for Industry Limited		Abstract Included
	10	EP 0 744 527	11/27/1996	Baker-Hughes Incorporated		Abstract Included
	11	WO 02/27139	04/04/2002	Tubel		
	12	GB 2 368 861	05/15/2002	Schlumberger Holdings Limited		
<i>h</i>	13	WO 02/072993	09/19/2002	Baker Hughes Incorporated		
Examiner Signature	<i>h</i>			Date Considered	12/4/07	

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

IAP20 Rec'd PCT/PTO 30 DEC 2005

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

CLT01/4778424v1